

RESPONSE TO RESTRICTION REQUIREMENT  
AND  
SECOND PRELIMINARY AMENDMENT  
Application No.: 10/574,842

Attorney Docket No.: Q92637

**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. (original): An isolated plant sucrose-inducible promoter sequence, comprising a DNA nucleotide sequence of a bp -1 to -1,908 region, relative to a transcription initiation site of SEQ ID NO: 1.
  
2. (original): The isolated plant sucrose-inducible promoter sequence according to claim 1, wherein the said promoter sequence is derived from an *ibAGPI* gene of sweetpotato ADP-glucose pyrophosphorylase.
  
3. (original): An isolated 5' untranslated region of a sweetpotato ADP-glucose pyrophosphorylase gene, comprising a nucleotide sequence of a bp +1 to +68 region, relative to a transcription initiation site of SEQ ID NO: 1.
  
4. (previously presented): A sucrose-inducible binary vector for plant transformation, comprising a plant sucrose-inducible promoter sequence, comprising a DNA nucleotide sequence of a bp -1 to -1,908 region, relative to a transcription initiation site of SEQ ID NO: 1; and

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a 5' untranslated region of a sweetpotato ADP-glucose pyrophosphorylase gene, comprising a nucleotide sequence of a bp +1 to +68 region, relative to a transcription initiation site of SEQ ID NO: 1.

5. (previously presented): A sucrose-inducible transient expression vector for plants, comprising a plant sucrose-inducible promoter sequence, comprising a DNA nucleotide sequence of a bp -1 to -1,908 region, relative to a transcription initiation site of SEQ ID NO: 1; and

a 5' untranslated region of a sweetpotato ADP-glucose pyrophosphorylase gene, comprising a nucleotide sequence of a bp +1 to +68 region, relative to a transcription initiation site of SEQ ID NO: 1.

6. (original): An E. coli carrying the sucrose-inducible binary vector for plant transformation of claim 4.

7. (original): An E. coli carrying the transient expression vector of claim 5.

8. (previously presented): A transgenic plant transformed with a binary vector comprising a plant sucrose-inducible promoter sequence, comprising a DNA nucleotide

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sequence of a bp -1 to -1,908 region, relative to a transcription initiation site of SEQ ID NO: 1;

and

a 5' untranslated region of a sweetpotato ADP-glucose pyrophosphorylase gene,  
comprising a nucleotide sequence of a bp +1 to +68 region, relative to a transcription initiation  
site of SEQ ID NO: 1.

9. (withdrawn): A PCR primer suitable for amplifying a DNA fragment comprising  
the sequence of SEQ ID NO: 1, said primer being represented by a sequence as shown in SEQ  
ID NO: 2 or 3.

10. (withdrawn): A PCR primer suitable for amplifying a DNA fragment comprising  
the sequence of SEQ ID NO: 1, said primer being represented by a sequence as shown in SEQ  
ID NO: 4 or 5.

11. (new): The isolated promoter of claim 1, wherein the promoter is amplified by a  
primer represented by a sequence as shown in SEQ ID NO: 2 or 3.

12. (new): The isolated promoter of claim 1, wherein the promoter is amplified by a  
primer represented by a sequence as shown in SEQ ID NO: 4 or 5.